

AMENDMENTS

In the Title

Please amend the title by replacing the present title with the following:

--METHOD FOR FORMING AN ARRAY OF SINGLE-WALL CARBON NANOTUBES
AND COMPOSITIONS THEREOF--

In the Abstract

Please amend the abstract by replacing the present abstract with the following:

This invention relates generally to forming an array of single-wall carbon nanotubes (SWNT) and compositions thereof. In one embodiment, a homogeneous population of SWNT molecules is used to produce a substantially two-dimensional array made up of single-walled nanotubes aggregated in substantially parallel orientation to form a monolayer extending in directions substantially perpendicular to the orientation of the individual nanotubes. Using SWNT molecules of the same type and structure provides a homogeneous array. By using different SWNT molecules, either a random or ordered heterogeneous structure can be produced by employing successive reactions after removal of previously masked areas of a substrate. In one embodiment, SWNT molecules may be linked to a substrate through a linker moiety such as -S-, -S-(CH₂)_n-, -NH-, SiO₃(CH₂)₃NH- or the like.--

In the Specification

Please amend the specification as noted on page 4, paragraph 11 of the Request by inserting before the first line of the specification the following:

--RELATED APPLICATIONS